Index to Volume Thirty-one of The Paper Industry

April, 1949—March, 1950

Page numbers in this index are preceded by numbers of the issues. April, 1949, is No. 1 and March, 1950, is No. 12

A

A-C motors for pulp and paper mills, how to select large 1, 61
Accident facts, finding of 8, 1001
Aderhold, Howard H., Marathon builds effective safety program ..10, 1194
Adsorption chromatography of lignin 2, 205
Alkali deinking 3, 337
Aries, Robert S., and Pollak, Arthur, Commercial lignins
Part I 10, 1198
Part II 11, 1317
Asphalt roofing, how Bird makes 12, 1422

Association Meetings

CPPA and Technical Section hold annual meetings 11, 1328
Divisional group meetings 12, 1440
Divisional meetings of the Superintendents Association 9, 1091
Fourth TAPPI engineering conference 9, 1081
New York TAPPI meeting 12, 1409
Niagara branch host to summer meeting Canadian Technical Section 3, 353
Pacific coast is TAPPI host 7, 809
"Paper Week" record attendance marks 73rd APPA convention ..12, 1407
Salesmen's Association holds 31st annual luncheon 12, 1438
Straw pulp conference at Terre Haute 9, 1087
Superintendents Association convenes in Atlantic City 4, 432
Thirty-first annual meeting of Canadian Woodlands Section .. 1, 73
Two-day TAPPI conference devoted to coating problems 2, 221
Atchison, Dr. Joseph E., Straw utilization in western Europe's pulp and paper industry
Part I 10, 1202
Part II 11, 1348

B

Bailey, A., Adsorption chromatography of lignin 2, 205
Bain, Walter M. *2—
Baker, V. B. *3
Bark, dewatering with Stacom press 11, 1300
Barrett, W. A., see Spier, William
Barrow, H. P. *2
Battery trucks, use of gasoline contrasted with 12, 1464
Beath, L. R., and Hill, H. S., Electrical evaporation of waste sulphite liquor 6, 722
Beeman, D. L. *3
Bee, Edgar, Pulping of hardwoods in Australia 3, 343
Belvin, Charles H. *2
Berg, Harvey E., Slime treatment service 6, 687
Berger, R. C., Process control coordinated with electrical distribution 6, 680
Between the Lines
It's no use waiting . . . the stream won't dry up 1, 49
Bird makes asphalt roofing 12, 1422
Bishop, Fred W., see Thompson, J. J. *2
Blandin, groundwood bleaching at .. 11, 1353
Bleached straw, paper from 8, 928
Bleaching, groundwood at Blandin .. 11, 1353
Bleaching, low consistency; control of *p*H in 10, 1200
Bloomquist, W. C. *3
Board machine, Sutherland now operating giant new 5, 562
Board mill, new Weyerhaeuser at Springfield, Oregon 10, 1187
Board mill in Ohio, Fairfield starts new 2, 196
Brashares, C. A. *2
British suction unit is introduced in America 1, 58
Buckman Laboratories Staff, Evaluation and control of slime losses 8, 948
Bushman, A. K. *3

C

Carr, Ralph, Alkali deinking 3, 337
Carter, Roy, see Karassik, Igor J.
Centrifugal pump design 11, 1320
Centrifugal pump impellers 9, 1067
Centrifugal pumps 7, 825
Charts, use of in operation control .. 12, 1425
Chemicals for slime control 8, 952
Chemical toxicants for slime 6, 684
Chip weightometer, use of in kraft mill 10, 1243
Clark, S. *3
Coating of reproduction papers 5, 596
Coating process, new 2, 184
Commercial lignins
Part I 10, 1198
Part II 12, 1317
Compressed air in mill operations 9, 1075
Condensate contamination, how to prevent 12, 1428
Control of *p*H in low consistency bleaching 10, 1200

CONVENTION PAPERS, ABRIDGED

Technical Association of the Pulp and Paper Industry

Choosing the correct mechanical transmission method, William Staniar 1, 106
TAPPI Abstracts (Briefs of papers given before the annual TAPPI meeting of 1950) 12, 1470
Hydrapulper processing of straw, Carl G. Krancher, Carl E. Price .. 9, 1124
Industry's technical manpower, A. C. Monteith 1, 108

American Pulp and Paper Mill Superintendents Association

"Alpha" protein as a machine coating binder, Walter M. Bain 6, 741
Care and use of chipper knives, C. B. Newell 12, 1475
Casein in machine coating, H. O. Ware 9, 1128
Chipper drives, H. P. Barrow 11, 1355
Chips from veneer waste, James C. Hayes 11, 1354
Electroplating for paper machinery, Charles H. Belvin 5, 616
Enzyme-starch conversions and their application to machine coating colors, W. L. Craig 6, 740
Fabricating quality and performance into corrugated shipping containers, A. O. Parson 12, 1473
Felts and their relation to paper machine problems, L. M. Wood-side 3, 381
Groundwood bleaching at Blandin, C. A. Richardson 11, 1353
Industrial protective organic coatings, H. W. Foelsch 9, 1125
Jordan plug pressure control system, Bruno E. Prevost 5, 614
Latex as an adhesive for machine coating of paper, Elmer K. Stilbert 6, 744
Lubrication and its effect on paper mill operating and maintenance costs, J. P. Critchlow and D. R. Kroell 5, 618
New method of coating paper involving ion exchange, a, D. Robert Erickson 6, 742
Paper machine developments, E. A. Hodge, P. Andrew Jackson, P. H. Goldsmith 2, 257
Plain press of tomorrow, the, J. V. Edge 9, 1120
Primer on stream pollution, Jesse M. Holderby 4, 509
Place and future of machine coating in the industry, the, B. R. Newcomb 6, 742
Power plant maintenance 6, 738
Refractory practice in the kraft mills, C. A. Brashares 9, 1122
Relationship between increased reuse of machine white water and slime control, the, Charles P. Kirchen 9, 1126
Revolving disc mills in straw pulp productions, C. K. Textor, L. Eberhardt 9, 1123
Roll type fiber press in straw pulping, F. L. Herman 9, 1124
Safety, crossing the imaginary line, Alvin Tuten 9, 1120
Trends in sulphite pulping, Vance P. Edwardes 5, 614
Use of chip weightometer in kraft mill operation, J. J. Thompson, Fred W. Bishop 10, 1243

(*) See Convention Papers . . . Abridged. (1) TAPPI; (2) Superintendents Association; (3) Miscellaneous

Miscellaneous

Can we plan on atomic power?, Harry A. Winne ... 7, 868
Champion process for machine coating, J. R. Simpson ... 3, 380
Cleaning and rust prevention, Robert G. Clendenin ... 9, 1128
Electronic speed regulators for sectional paper machine, V. B. Baker, C. F. Kovalsky ... 1, 111
Engineering, co-operation and mutual assistance, A. K. Bushman ... 7, 864
Finding the accident facts, E. A. Page ... 8, 1001
Groundwood mill and screen room heating and ventilation, S. Clark ... 4, 506
Higher mill efficiencies and the gas turbine, W. C. Bloomquist ... 7, 862
Less work for the operator means more production, G. E. Shaad ... 7, 862
Mid-States gummed paper company, Burton Lee Trodson ... 4, 512
More usable power, greater protection and better service continuity by applying modern distribution systems, D. L. Beeman ... 7, 866
Plant layout from a materials handling standpoint, Everett Laitala ... 3, 383
Protect your personnel and electrical equipment throughout the mill, G. W. Knapp ... 7, 864
Safety of American freedom is everybody's job, Donald J. Hardenbrook ... 8, 992
Specific safety techniques, Edward G. Holtzman ... 8, 996
Technology in the Japanese pulp and paper industry, Harold R. Murdock ... 7, 868
Technique of marking shipments, E. J. Marsh ... 4, 508
Unusual accidents in paper mills, O. J. Sherman ... 8, 994
Why pay more to handle your materials?, H. D. Putnam ... 7, 866

Corrugated board from semichemical pulp ... 7, 818
Craig, W. L. *2
Critchlow, J. P., Kroell, D. R., Lubrication and its effect on paper mill operating and maintenance costs ... 5, 618
Crowley, E. L., Control of pH in low consistency bleaching ... 10, 1200
Crown Zellerbach, new wood mill ... 8, 940

D

Davis, D. S., Loss in head on pumping fibrous suspensions ... 11, 1306
Davis, H. G., see Murphy, E. K.
Deinking at the St. Regis Paper Co. (pictorial) ... 3, 334
Deinking of printed papers—a symposium ... 3, 329
Dernell, Every, Review of 1949 in the unbleached kraft paper industry ... 12, 1469
Dewatering bark with a Stacom press ... 11, 1300
Downtime reduced through stocking motor renewal parts ... 4, 465
Dutruc, James H., The French paper industry today ... 2, 202
Economic review of the industry . . . 1949 ... 10, 1178

E

Edge, J. V. *2
Editorials
Advertising and public service ... 7, 787
After thirty years— ... 8, 917
America increases its economic area ... 11, 1289
An enlarged safety program ... 1, 35
Better business balance ahead ... 2, 179
Business emerging from the deep freeze ... 6, 657
Do the signs point to a second recession? ... 8, 917
Emphasis on free enterprise ... 7, 787
For better labor relations ... 9, 1045
Give to those who gave ... 8, 919
Have we stopped wasting our timber wealth? ... 6, 657
Higher taxes—lower production ... 3, 317
How money grows on trees ... 9, 1047
Individual freedom . . . or government control? ... 9, 1045
It is time the tide was turning ... 4, 431
Must we lose our trees? ... 11, 1287
Other fellow's problems ... 8, 919
Paper production back to par ... 10, 1171
Paper products facing increasing consumption ... 7, 789
Safety starts at the top ... 8, 919
Some thoughts for the new year ... 10, 1173
The benign "dis-inflation" ... 1, 35
The dawn came up like thunder ... 12, 1399
The meeting season ... 6, 659
The Paper Industry—new year, new title ... 10, 1173
Where are we going? ... 5, 561
Edwardes, Vance P. *2
Eberhardt, L., see Textor, C. K.
Efficiency, increased by good lighting ... 12, 1430
Electrical distribution, process control co-ordinated with ... 6, 680
Electrical evaporation of waste sulphite liquor ... 6, 722
Erickson, D. Robert *2
Evaluation and control of slime losses ... 8, 948

F

Fairfield starts new board mill in Ohio ... 2, 196
Fibrous suspension, loss in head on pumping ... 11, 1316
First world conference on wood pulp problems ... 2, 180
Foelsch, H. W. *2
Foremen's contest improves operation ... 4, 464
Forest management, why ... 11, 1314
French paper industry today, the ... 2, 202
Fundamentals of lime kiln thermodynamics ... 9, 1070
Fundamentals of slime control ... 5, 600

G

Gasoline vs. battery power for industrial trucks ... 12, 1464
G-E invites paper men to electrical conference ... 7, 794
German cellulose industry, the ... 3, 373
Gibbs, Ralph, Fundamentals of lime kiln thermodynamics ... 9, 1070
Gillaspie, A. G., Chemicals for slime control ... 8, 952
Glendenin, Robert G. *3—
Goldsmith, P. H. *2
Good lighting increases efficiency ... 12, 1430
Goy, Otto, German cellulose industry, the ... 3, 373

H

Hall, William G., Downtime reduced through stocking motor renewal parts ... 4, 465
Hardenbrook, Donald J. *3
Hardwood pulping in Australia ... 3, 343
Hayes, James C. *2—
Herman, F. L. *2
High speed coating of reproduction papers ... 5, 596
Hill, H. S., see Beath, L. R.
Hill, L. E., Jr., Types of hydraulic barkers and how they work ... 9, 1062
Hodge, E. A. *2—
Holderby, Jesse M. *2—
Holtzman, Edward G. *3
How Bird makes asphalt roofing ... 12, 1422
How to prevent condensate contamination ... 12, 1428
How to select large A-C motors for pulp and paper mills ... 1, 61
Hummel, Fred E., Magnetic separators eliminate tramp iron ... 8, 946
Hydraulic barkers, types and operation ... 9, 1062

I

Industrial truck batteries, maintenance of ... 9, 1077
Industry, economic review for 1949 ... 10, 1178
Industry research conference, University of Maine ... 9, 1052
Insulation, power plant; prevents heat losses ... 7, 828
International Review ... 1, 99; 2, 253; 3, 373; 4, 501; 5, 611; 7, 854; 8, 986; 9, 1113; 10, 1223; 11, 1345; 12, 1461
Irmiter, Richard, Maintenance in plant washrooms ... 4, 461

J

Jackson, P. Andrew *2—
Jordan, William P. *2

K

Karassik, Igor K., Carter, Roy, Pumps and how they work ... 5, 603
Designs and functions of pump casings ... 6, 689
Multistage pumps ... 7, 825
Centrifugal pump impellers ... 9, 1067
Centrifugal pump design ... 11, 1320
Kauffmann, H. O., McEwen, R. L., Sheldon, F. R., Peroxides in deinking ... 3, 338
Kimberly-Clark Corp., LongLac pulp mill rounds out integrated operation of ... 1, 36
Kipp, Robert, Regular cleaning prevents slime troubles ... 6, 686
Kirchen, Charles P. *2—
Knapp, G. W. *3—
Kovalsky, C. F. *3
Kraft mill operation, use of chip weightometer in ... 10, 1243
Kraft paper, review of unbleached industry, 1949 ... 12, 1469
Krancher, Carl G., Price, Carl E. *1
Kroell, D. R., see Critchlow, J. P.
Kuebler, J. W., Foremen's contest improves operation ... 4, 464

L

Laitala, Everett *3
Lawsuits affecting paper and pulpwood industry ... 8, 943
Lignin, adsorption chromatography of ... 2, 205
Lignins, commercial ... 10, 1198
Lime kiln thermodynamics, fundamentals of ... 9, 1070
LongLac pulp mill rounds out integrated operation of Kimberly-Clark Corp. ... 1, 36
Loss in head on pumping fibrous suspensions ... 11, 1316

Mc

McClelland, W. B., Gasoline versus battery power for industrial trucks ... 12, 1464
McEwen, R. L., see Kauffmann, H. O.
McKee, William N., Chemical toxicants for slime ... 6, 684
McLintock, T. F., Why forest management? ... 11, 1314

M

Macon, making paperboard at ... 4, 452
Magnetic separators eliminate tramp iron ... 8, 946
Maintenance in plant washrooms ... 4, 461
Maintenance of industrial truck batteries ... 9, 1077
Making paperboard at Macon ... 4, 452

(*) See Convention Papers . . . Abridged. (1) TAPPI; (2) Superintendents Association; (3) Miscellaneous

Marathon builds effective safety program 10, 1194
Marsh, E. J. *3
Meister, Harry, see Smith, Milton
Model paper mill part of Western Michigan College's newly-dedicated science building 8, 824
Monteith, A. C. *1
Moriarity, T. F., Pallets save money 7, 831
Multistage pumps 7, 825
Murdock, Harold R. *2
Murphy, E. K., Davis, H. G., High speed coating of reproduction papers 5, 596

N

Nadelman, Alfred H., Principles and practice of deinking processes 3, 330
National Safety Council 37th annual congress 8, 957
Neutral sulphite semichemical pulping process 2, 210
New board mill at Springfield, Oregon 10, 1187
New coating process 2, 184
Newcomb, B. R. *2—
Newell, C. B. *2
New Equipment and Supplies
1, 116; 2, 262; 3, 384; 4, 514; 5, 621; 6, 746; 7, 877; 8, 1004; 9, 1130; 10, 1244; 11, 1356; 12, 1477
New mill in South America makes paper from bleached straw 8, 928
New process for making white liquor 1, 64
New Publications
1, 124; 2, 268; 3, 390; 4, 520; 5, 627; 6, 752; 7, 883; 8, 1010; 9, 1140; 10, 1252; 11, 1366; 12, 1484
Newsprint paper in 1949 ..... 12, 1466
New wood mill at Crown Zellerbach, Camas 8, 940

O

O'Donoghue, Roderick, Printing inks 3, 336
Operation studies, use of charts in .. 12, 1425
Oscarson, G. L., How to select large A-C motors for pulp and paper mills 1, 61

P

Page, E. A. *3
Palladino, A. J., Waste disposal problems 3, 341
Pallets save money 7, 831
Paper and paperboard making—I .. 12, 1431
Paper Sketches
1, 67; 2, 214; 3, 346; 4, 469; 5, 608; 6, 693; 7, 832; 8, 955; 9, 1079; 10, 1204; 11, 1324; 12, 1434
Parker, Leo T., Review of new lawsuits affecting the paper and pulpwood industry 8, 943
Parson, A. O. *2
Patch, C. E. "Dan", Scale models aid wood handling problems 5, 606
Use of charts in operation studies 12, 1425
Peroxides in deinking 3, 338
Perry, Henry J., Neutral sulphite semichemical pulping process 2, 210
pH: control of in low consistency bleaching 10, 1200
Pollak, Arthur, see Aries, Robert S.
Power plant insulation prevents heat losses 7, 828
Practical Shorts
1, 97; 2, 251; 3, 371; 4, 499; 5, 609; 6, 719; 7, 853; 10, 1221; 11, 1343
Prevost, Bruno E. *2—
Price, Carl E., see Krancher, Carl G. *1
Principles and practice of deinking processes 3, 330
Printing inks 3, 336
Process control co-ordinated with electrical distribution 6, 680
Progress at Thilmany 1, 51
Protection from skin hazards 9, 1074
Pulping of hardwoods in Australia .. 3, 343
Pumps and how they work 5, 603
Pump casings, designs and functions of 6, 689
Pump impellers, centrifugal 9, 1067
Putnam, H. D. *3
Pyrometry, thermoelectric 4, 459

R

Rating a lift truck 3, 378
Recession, lessons from 1949 ..... 12, 1404
Regular cleaning prevents slime troubles 6, 686
Reproduction papers, high speed coating of 5, 596
Review of 1949 in the unbleached kraft paper industry 12, 1469
Review of new lawsuits affecting the paper and pulpwood industry 8, 943
Richardson, C. A. *2
Rittman, M. B., Safety contest pays off 1, 57
Roberts, C. C., Vogelsang, C. A., Thermoelectric pyrometry 4, 459

S

Safety contest pays off 1, 57
Safety Contest Scores
1, 86; 2, 234; 3, 350; 4, 486; 5, 592; 6, 710; 7, 850; 8, 961; 9, 1110; 10, 1208; 11, 1341; 12, 1458
Scale models aid wood handling problems 5, 606
Safety program at Marathon 10, 1194
Schweisheimer, Dr. W., Protection from skin hazards 9, 1074
Good lighting increases efficiency 12, 1430
Semichemical pulping process, neutral sulphite 2, 210
Shaad, G. E. *3
Sheldon, F. R., see Kauffmann, H. O.
Shema, B. F., Fundamentals of slime control 5, 600
Sherman, O. J. *3
Silicates in deinking 3, 340
Simpson, J. R. *3
Skin hazards, protection from 9, 1074
Slime control, chemicals for 8, 952
Slime control, fundamentals of 5, 600
Slime control, practical (symposium)
Chemical toxicants for slime 6, 684
Regular cleaning prevents slime troubles 6, 686
Slime treatment service 6, 687
Slime losses, evaluation and control 8, 948
Slime treatment service 6, 687
Smith, Milton, Meister, Harry, Rating a lift truck 3, 378
Some lessons from the 1949 recession 12, 1404
Sonoco makes nine-point corrugated board from semichemical pulp 7, 818
Spaulding installs new hydraulic barker 8, 954
Spier, William, British suction unit is introduced in America 1, 58
Stacom press, dewatering bark with 11, 1300
Staniar, William *1
Stevens, W. O., Power plant insulation prevents heat losses 7, 828
Stevenson, Dr. Louis T., Some lessons from the 1949 recession 12, 1404
Stilbert, Elmer K. *2
Straw utilization in western Europe's pulp and paper industry
Part I 10, 1202
Part II 11, 1348
Sulphite liquor, electrical evaporation of waste 6, 722
Sulphite semichemical pulping process, neutral 2, 210
Sutherland now operating giant new board machine 5, 562

T

Textor, C. K., see Eberhardt, L.
Thermoelectric pyrometry 4, 459
Thilmany, progress at 1, 51
Thompson, J. J., Bishop, Fred W. *2
Tramp iron, elimination of 8, 946
Tree planting tips 7, 860
Trucks, industrial; use of battery or gasoline 12, 1464
Trodson, Burton Lee *3
Turley, Everett L., Silicates in deinking 3, 340
Tuten, Alvin *2
Types of hydraulic barkers and how they work 9, 1062

U

Unbleached kraft paper, review of 1949 in industry 12, 1469
University of Maine holds industry research conference 9, 1052
Use of charts in operation studies .. 12, 1425

V

Veneer waste, chips from 11, 1354
Vogelsang, C. A., see Roberts, C. C.

W

Ware, H. O. *2
Washrooms, maintenance in plant .. 4, 461
Waste disposal problems 3, 341
Welsh, J. N., How to prevent condensate contamination 12, 1428
Western Europe, utilization of straw in pulp and paper industry
Part I 10, 1202
Part II 11, 1348
Western Michigan College, model paper mill part of new science building 8, 924
Weyerhaeuser, new board mill 10, 1187
White liquor, new process for making 1, 64
Why forest management? 11, 1314
Williamson, Harry, Paper and paperboard making—I 12, 1431
Wilson, Elwood, Tree planting tips .. 7, 860
Winne, Harry A. *3
Wood handling problems, scale models aid 5, 606
Wood pulp problems, first world conference on 2, 180
Woodside, L. M. *2

Z

Zink, J. J., Newsprint paper in 1949 ..... 12, 1466

(*) See Convention Papers . . . Abridged. (1) TAPPI; (2) Superintendents Association; (3) Miscellaneous